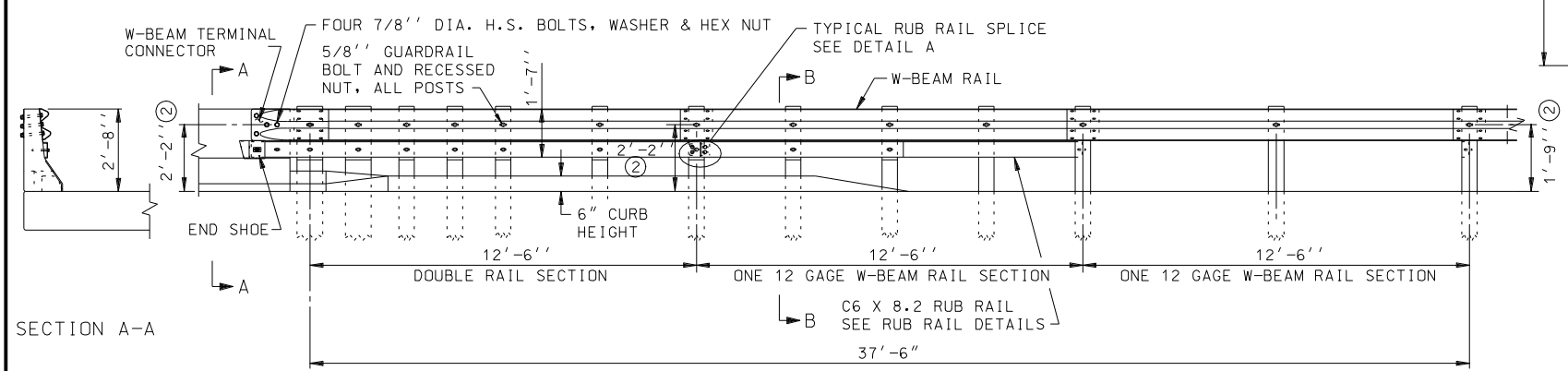
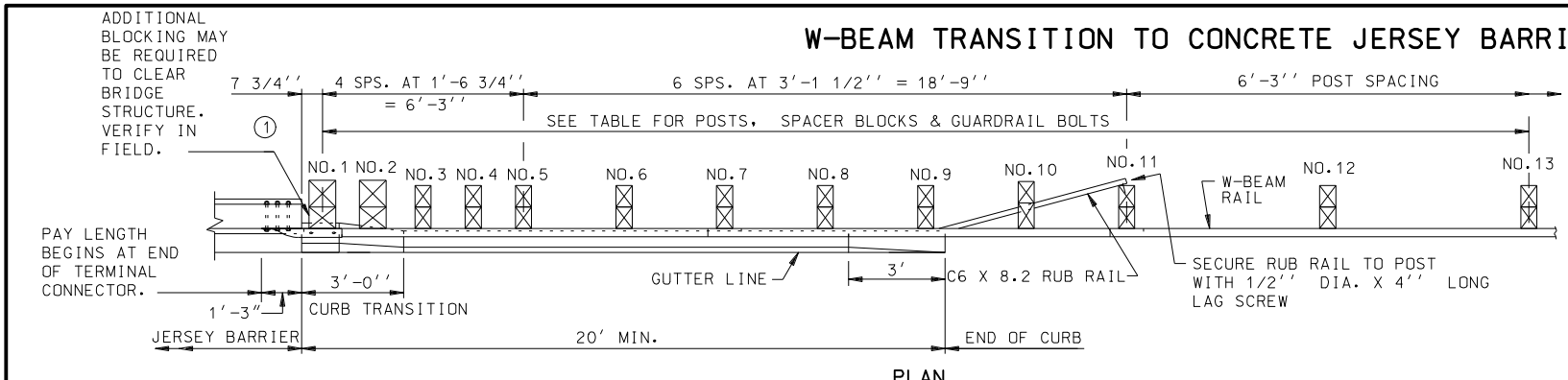
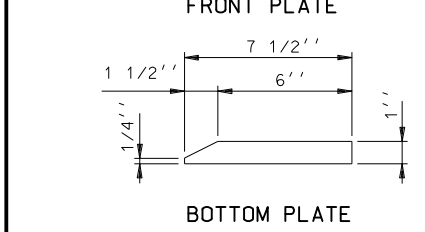
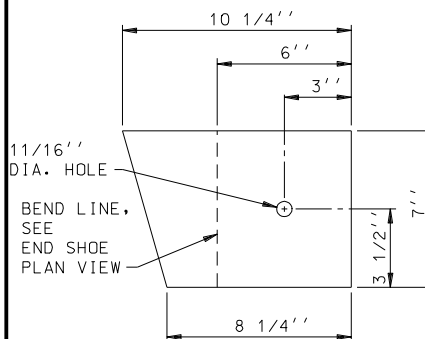
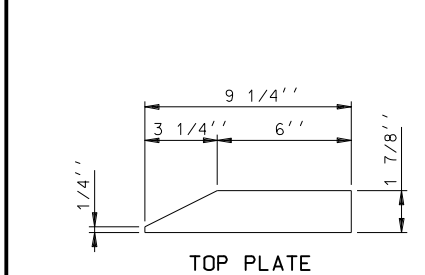


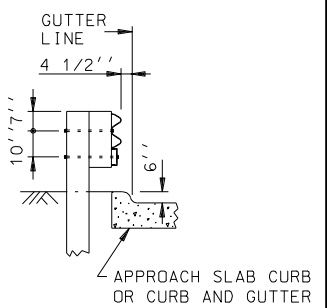
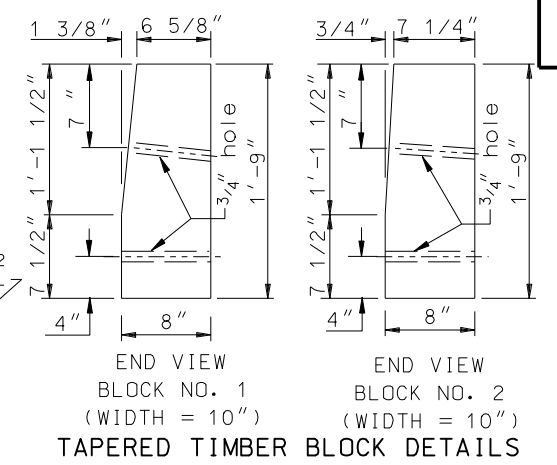
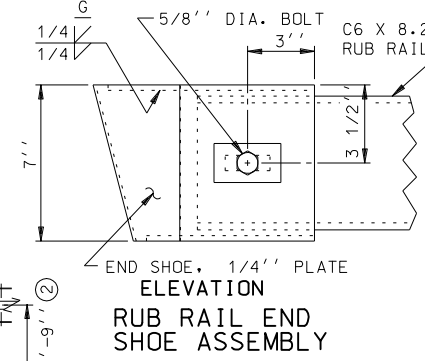
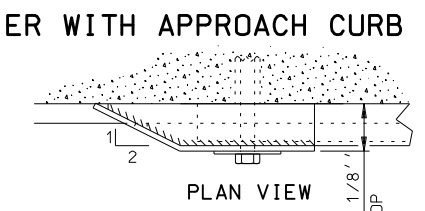
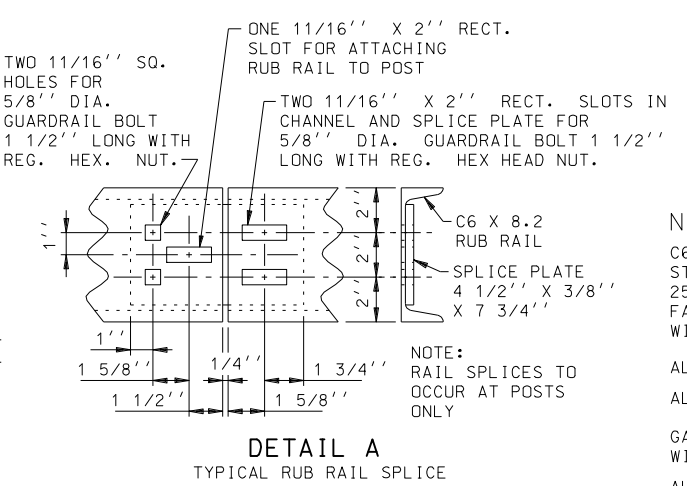
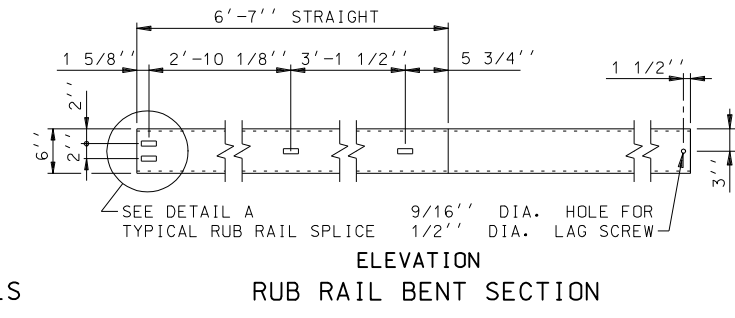
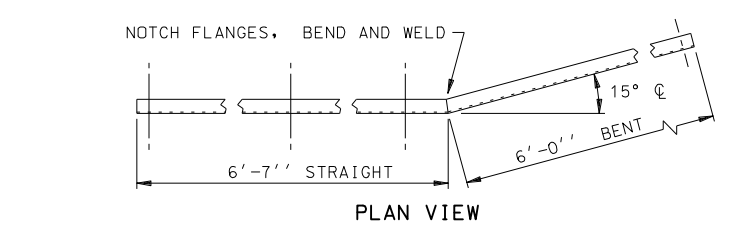
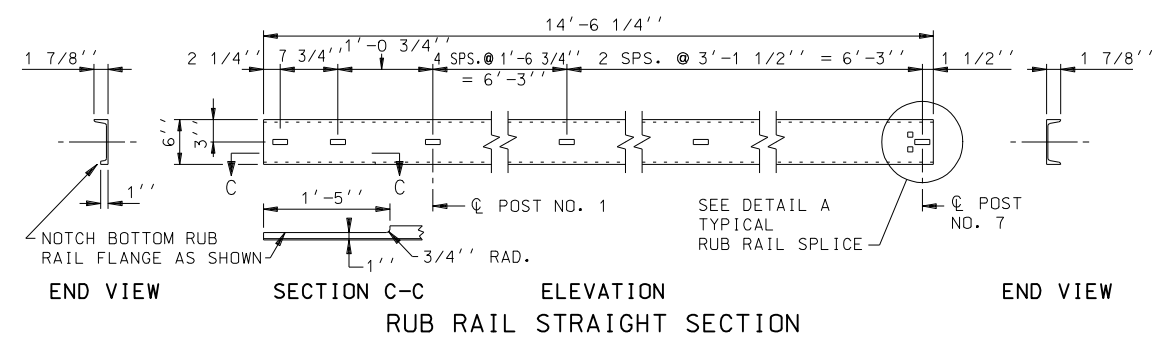
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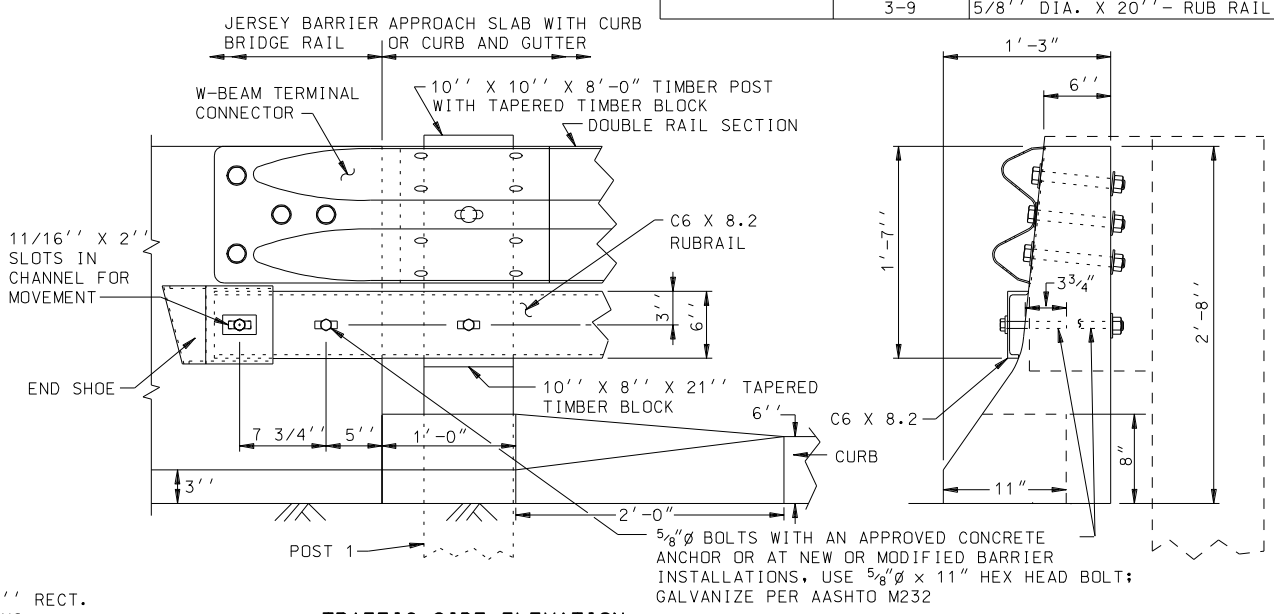
ELEVATION
GENERAL ASSEMBLY DETAILS



END SHOE PLATE DETAILS
(1/4" PLATE)



POST, TIMBER BLOCK & BOLT TABLE		
DESCRIPTION	POST NO.	SIZE
POST	1 & 2	10" X 10" X 8'-0" MIN. LONG
	3-5	6" X 8" X 7'-0" MIN. LONG
	6-13	6" X 8" X 6'-0" MIN. LONG
SPACER BLOCK	1-2	10" X 8" X 21" TAPERED BLOCK
	3-9	6" X 8" X 21"
	10	6" X 9 3/4" X 14"
	11-13	6" X 8" X 14"
GUARDRAIL BOLT & RECESSED NUT	1 & 2 & 10	5/8" DIA. X 20" - GUARDRAIL
	3-9, 11-13	5/8" DIA. X 18" - GUARDRAIL
	1-2	5/8" DIA. X 22" - RUB RAIL
	3-9	5/8" DIA. X 20" - RUB RAIL



END VIEW

- ① ADDITIONAL BLOCKING MAY BE REQUIRED AT POST NO. 1.
- ② HEIGHT IS 2'-2" FROM 0' TO 12'-6" FROM BRIDGE. HEIGHT TAPERS FROM 2'-2" TO 1'-9" BETWEEN 12'-6" TO 37'-6" FROM BRIDGE.

NOTES:

C6 X 8.2 RUB RAIL AND STRUCTURAL STEEL SHALL BE AASHTO M270M GRADE 250, AND SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH AASHTO M111.

ALL SLOTTED HOLES ARE 11/16" X 2".

ALL SQUARE HOLES ARE 11/16".

GALVANIZE ALL HARDWARE IN ACCORDANCE WITH AASHTO M232.

ALL POSTS AND BLOCKS FOR THE W-BEAM GUARDRAIL SHALL BE TIMBER.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
11-19-02	
REVISIONS	
DATE	CHANGE
02-07-03	Rev rail attachment
12-01-04	PE Stamp added
07-05-06	General revisions
08-24-06	Revised table

This document was originally issued and sealed by MARK S GAYDOS, Registration Number PE-4518, on 08/24/06 and the original document is stored at the North Dakota Department of Transportation